

06917630 EAST FORK DRYWOOD CREEK AT PRAIRIE STATE PARK
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°32'28", long 94°33'28", NE 1/4 NW 1/4 sec.16, T.32 N., R.33 W., Barton County, Hydrologic Unit 11070207. Sampling site is located on the northeast edge of the park.

PERIOD OF RECORD.--November 1993 to current year.

REMARKS.--Several periods of no flow during the year in which samples are collected at Fleck Creek at Prairie State Park (06917635). Fleck Creek data is located in the partial records section of this report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST.	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	OXYGEN, DIS- SOLVED (mg/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (mg/L) (00340)	COLI- FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA- LINITY WAT WH TOT FET FIELD mg/L as CaCO ₃ (00410)
		(CUBIC FEET PER SECOND) (00061)		(µS/cm)	(mg/L)		(mg/L)	(COLS./ 100 mL)	(mg/L as CaCO ₃) (00410)		
MAR 18...	1430	0.10	10.0	218	7.3	7.0	62	--	K2	K13	82
APR 01...	1205	0.11	14.0	195	7.1	9.4	90	--	370	680	39
24...	1000	0.76	14.0	172	7.3	6.9	66	--	K26	150	20
MAY 07...	0900	14	18.5	108	7.0	5.9	62	12	110	170	16
JUN 19...	0930	0.50	22.5	133	6.8	2.7	31	13	1100	1100	40
AUG 28...	1100	12	23.5	110	7.3	7.2	85	--	210	1600	32
DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD- NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)	
	MAR 18...	100	0	<0.020	<0.010	0.040	0.92	<0.020	<0.010	--	--
APR 01...	49	0	0.080	<0.010	0.030	0.84	0.060	0.030	--	--	
24...	24	0	<0.020	<0.010	0.050	0.61	0.040	<0.010	--	--	
MAY 07...	16	0	0.150	<0.010	0.020	0.72	0.060	0.010	34	8.8	
JUN 19...	47	0	0.080	0.010	0.960	2.1	<0.020	0.020	44	11	
AUG 28...	36	0	<0.020	<0.010	0.030	0.45	<0.020	<0.010	--	--	
DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO ₄) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)	
	MAY 07...	3.0	6.3	2.3	28	3.0	<0.10	92	11	400	220
JUN 19...	4.0	6.4	3.6	14	10	0.10	86	18	210	26	
DATE	CADMIUM TOTAL RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)	
	MAY 07...	<1	<1.0	1.7	350	2	3.0	30	<0.10	9	5.0
JUN 19...	<1	<1.0	<1.0	340	2	<1.0	700	<0.10	8	2.9	

K--Results are based on colony count outside the acceptable range (non-ideal colony count).